

China Petrochemical Corporation (Sinopec Group)

Provisions on Contents of Process Design Package (Process Package of Complete Set of Technology) of Petrochemical Plants

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The Chief Development Organization is Sinopec Engineering Incorporation.

The Participating Development Organizations include Sinopec Shanghai Engineering Incorporation, Sinopec Nanjing Design Institute, and Sinopec Luoyang Petrochemical Engineering Co., Ltd.

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Notice on Printing the Provisions on Contents of Process Design Package (Process Package of Complete Set of Technology) of Petrochemical Plants

To Whom It May Concern:

The technological design package of petrochemical plants is the important achievements of research and development as well as the basic basis of engineering design. The revised Provisions on Contents of Process Design Package (Process Package of Complete Set of Technology) of Petrochemical Plants are hereby transmitted to you, and you are requested to carefully implement accordingly in order to define the responsibilities during stage of research and development, standardize the document contents of technological design package, and ensure good link between R&D and engineering design. The original Sinopec Provisions on Contents of Petrochemical Process Package of Complete Set of Technology (Sinopec [1998] Ji Zi No. 88) shall be abolished simultaneously.

The Provisions on Contents of Process Design Package (Process Package of Complete Set of Technology) of Petrochemical Plants (Standard No. SHSG-052-2003) may be used in combination with SHSG-033-2003, Provisions on Contents of Basic Engineering Design of Petrochemical Plants, and with SHSG-053-2003, Provisions on Contents of Detailed Engineering Design of Petrochemical Plants.

China Petrochemical Corporation (Sinopec Group)

May 23, 2003

Foreword

These provisions were chiefly developed by Sinopec Engineering Incorporation in accordance with the requirement of Sinopec Jianshe Han [2002] No. 213, *Notice on Preparation and Revision of Design Contents of Petrochemical Plants* and with the *Minute for the Preparation Committee of Design Contents of Petrochemical Plants*.

These provisions include four chapters and one supplementary provision. The main contents include the scope and required contents for preparation of technological design package of petrochemical plants, process manual, and manual of analysis. The supplementary provision is the further explanation of some provisions.

If you think that some contents need to be changed and supplemented during implementation of these provisions, please address your comments and relevant information to Anyuan Building 21, Anhui Beili 100101, Chaoyang District, Beijing for reference of future revision. The Chief Development Organization is in charge of the explanation of these provisions.

The Chief Development Organization of these provisions is Sinopec Engineering Incorporation.

The Participating Development Organizations of these provisions include Sinopec Shanghai Engineering Incorporation, Sinopec Nanjing Design Institute, and Sinopec Luoyang Petrochemical Engineering Co., Ltd.

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Provisions on Contents of Process Design Package (Process Package of Complete Set of Technology) of Petrochemical Plants

1 General

1.1 These Provisions on Contents of Process Design Package (Process Package of Complete Set of Technology) of Petrochemical Plants (hereinafter referred to as these provisions) are hereby formulated in order to uniform the contents and depth of the documents of technological design package of the petrochemical plants.

1.2 These provisions apply to the preparation of process design package of petrochemical projects of all the subsidiaries owned by Sinopec Group or used as the basis for in-depth negotiation of the contents of process design package for buy-in/selling-out technologies.

1.3 These provisions are used to standardize the contents of the process design package to ensure reliable foundation of technologies of engineering design and meet the requirements carrying out basic design and guiding owner's preparation of detailed operation manual.

1.4 In these provisions, Chapter 2 "Contents of Process Design Package of Petrochemical Plants" lists the basic contents of process design package. The owners' special requirements (if any) may be defined during contact negotiation.

1.5 For the Chapter 3 "Process Manual" and Chapter 4 "Manual of Analysis " of these provisions, the preparation, progress requirements, and charges may be subject to the contract requirements.

1.6 These provisions only specify the required contents, which may be for reference of documents organization, not for the basis the establishment and division of labor of disciplines within the design institute.

1.7 Those related to these provisions include SHSG-033-2003, *Provisions on Contents of Basic Engineering Design of Petrochemical Plants*, and with SHSG-053-2003, *Provisions on Contents of Detailed Engineering Design of Petrochemical Plants*.



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